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THE DISTILLERY

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Computational models			
Automated quantification of breast cancer morphology features in microscopic images for prognosis	Microscopic quantitative analysis of breast cancer tissue morphology could help determine histological tumor grade. Using a set of breast cancer tissue histology images of a sample from whole tumors, the Computational Pathologist (C-Path) program measured 6,642 different tumor epithelial and stromal features to produce a prognostic model. In microscopic images from two independent cohorts of breast cancer patients, C-Path determined prognostic scores that were more accurate than those derived from classical epithelial characterization and were associated with overall survival ($p \leq 0.001$). Next steps include using the method on whole-tissue slide samples and conducting a prospective, multicenter trial. Digital Pathology Solution is an approved diagnostic for cancer from Aperio Technologies Inc. *SciBX* 4(46); doi:10.1038/scibx.2011.1306 Published online Dec. 1, 2011	Unpatented; available for licensing	Beck, A.H. *et al. Sci. Transl. Med.*; published online Nov. 9, 2011; doi:10.1126/scitranslmed.3002564 **Contact:** Daphne Koller, Stanford University School of Medicine, Stanford, Calif. e-mail: koller@cs.stanford.edu